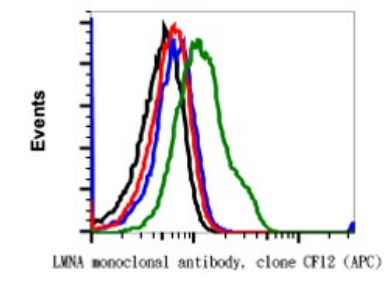
LMNA (phospho S22) monoclonal antibody, clone CF12 (APC)

Catalog # MAB23397 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells with LMNA (phospho Ser22) monoclonal antibody, clone CF12 (APC)(Cat # MAB23397). Untreated (red) or treated with nocadozole (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human LMNA.
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser22 of human phospho Lamin A/C
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	APC
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/million cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% NaN_3, 0.2% BSA)
Storage Instruction	Store at 4°C. Do not freeze.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — LMNA

Entrez GeneID	4000
Protein Accession#	P02545
Gene Name	LMNA
Gene Alias	CDCD1, CDDC, CMD1A, CMT2B1, EMD2, FPL, FPLD, HGPS, IDC, LDP1, LFP, LGMD1B, LM N1, LMNC, PRO1
Gene Description	lamin A/C
Omim ID	115200 150330 151660 159001 176670 181350 248370 275210 277700 604929 605588 607 920 608056
Gene Ontology	Hyperlink
Gene Summary	The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nucle ar membrane. The lamin family of proteins make up the matrix and are highly conserved in evoluti on. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosph orylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and ge ne expression. Vertebrate lamins consist of two types, A and B. Through alternate splicing, this ge ne encodes three type A lamin isoforms. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome. [provi ded by RefSeq
Other Designations	70 kDa lamin|OTTHUMP00000015843|OTTHUMP00000015848

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Hypertrophic cardiomyopathy (HCM)

Disease

- Aging
- Alzheimer disease
- Arrhythmia
- Atherosclerosis
- Atrial Fibrillation
- Calcinosis
- Cardiomyopathy
- Cardiovascular Diseases
- Cerebrovascular Disorders
- Charcot-Marie-Tooth Disease
- Cognition
- Cognition Disorders
- Coronary Artery Disease
- Death
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Genetic Predisposition to Disease
- Heart Failure
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypertriglyceridemia
- Insulin Resistance

- Kidney Failure
- Metabolic Syndrome X
- Obesity
- Polycystic Ovary Syndrome
- Syndrome
- Ventricular Dysfunction